ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

Product Service

CERTIFICATE

No. B 057396 0566 Rev. 00

Holder of Certificate: **XP Power LLC.**
15641 Red Hill Avenue, Suite 100
Tustin CA 92780
USA

Certification Mark:

Product: **Power supply**

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition the certification holder must not transfer the certificate to third parties. See also notes overleaf.

Test report no.: 095-72143919113-000

Valid until: 2024-05-16

Date, 2019-05-31 (Adrian Rabago Valenzuela)

TÜV SÜD Product Service GmbH • Certification Body • Ridlerstraße 65 • 80339 Munich • Germany

A4 / 07.17

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Model(s):

ALM65USXXYY-ZW##V
Where XX is any number between 12-48, YY can be blank or C2, Z can be blank or A, W can be blank, 6, or 8, # can be blank or any alphanumeric character, and V can be blank or any alphanumeric character, may be provided with or without "-".

Parameters:

Rated Input:	100-240 Vac
Rated Input Current:	1.4A
Rated Input Frequency:	50/60 Hz
DC Output Ratings:	See below for output ratings
Elevation for use:	0-5000 m above sea level
Protection Class:	Class I determined in end product or Class II
Maximum temperature, ambient:	40 °C for 100% load; 60 °C for 40% load

General Product information:

The product is a AC/DC switching mode power supply with open-frame type, and it is intended for building-in from factory installation as a component of the end product Information Technology Equipment (ITE).

Rated Outputs for Models:

ALM65US12: 12Vdc (10.1 - 13.5 Vdc), 5.3A (63.5W max.)
ALM65US15: 15Vdc (13.5 - 17.0 Vdc), 4.3A (65W max.)
ALM65US19: 19Vdc (17.1 - 21.0 Vdc), 3.4A (65W max.)
ALM65US24: 24Vdc (21.0 - 26.0 Vdc), 2.7A (65W max.)
ALM65US48: 48Vdc (42.1 - 54.0 Vdc), 1.35A (65W max.)

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Technical Considerations

• The product was submitted and evaluated for use at the maximum ambient temperature (Tma) permitted by the manufacturer's specification of : 40°C at 100% load; 60°C at XX% load.
• The product is intended for use on the following power systems : TN
• Considered current rating of protective device as part of the building installation (A) : 20
• Mains supply tolerance (%) or absolute mains supply values : +10%/-10%
• The equipment disconnect device is considered to be : Appliance inlet
• The following were investigated as part of the protective earthing/bonding : Appliance inlet to output ground
• The following are available from the Applicant upon request : Installation (Safety) Instructions / Manual
• The equipment employs Functional Earthing. The following insulation is provided between the primary and accessible dead metal parts and circuits: Double/Reinforced (configurations with a ground pin in the appliance inlet)
• IEC 62368-1. Additionally evaluated to EN 62368-1:2014+A11:2017; National Differences specified in the CB Test Report.
• The required clearance values have been assessed for suitability up to 5000 m elevation (1.48 correction factor as per IEC 60664-1, Table A2).

Engineering Conditions of Acceptability

When installed in an end-product, consideration must be given to the following:

• The following product-line tests are conducted for this product : Electric Strength
• The following output circuits are at ES1 energy levels : All circuits
• The following output circuits are at PS3 energy levels : All circuits
• The maximum investigated branch circuit rating is : 20 A
• The investigated Pollution Degree is : 2
• Proper bonding to the end-product main protective earthing termination is : Required when installed in a Class I end product.
• The following end-product enclosures are required : Fire, Electrical
• The following magnetic devices (e.g. transformers or inductor) are provided with an OBJY2 insulation system with the indicated rating greater than Class A (105°C) : TR1 - Class F (155)
• The power supply was evaluated to be used at altitudes up to : "5,000 m"

Tested according to: EN 62368-1:2014/A11:2017

Production Facility(ies): 071712, 089850

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